In the Claims:

1. (Currently amended) An electrochemical cell~~,~~ comprising an SOFC cell, including an Ni/YSZ electrode to which Mn has been added, wherein a portion of the electrode extending less than 20 um from the electrolyte comprises 0.5 to ~~5~~ 6 metal atom% Mn, and wherein remaining portions of the electrode comprise substantially less than 6 metal atom% Mn.

2. (Cancelled)

3. (Cancelled)

4. (Previously added) The electrochemical cell of claim 1, wherein the portion of the electrode comprises 1 to 4 metal atom % Mn.

5. (Previously added) The electrochemical cell of claim 4, wherein the portion of the electrode comprises 2 to 3 metal atom % Mn.

6. (Cancelled)

7. (Currently amended) The electrochemical cell of ~~claim 6~~ claim 1, wherein the portion of the electrode comprises 4 to 5 metal atom % Mn.

8. (New) An electrochemical cell comprising an electrolyte and an Ni/YSZ electrode, the electrode comprising a first layer overlying the electrolyte and at least one additional layer overlying the first layer, wherein the first layer comprises 0.5 to 6 metal atom% Mn, and wherein the at least one additional layer comprises substantially less than 6 metal atom% Mn.

9. (New) The electrochemical cell of claim 8, wherein the first layer comprises 1 to 4 metal atom % Mn.

10. (New) The electrochemical cell of claim 8, wherein the first layer comprises 2 to 3 metal atom % Mn.

11. (New) A solid oxide fuel cell comprising an electrolyte and an Ni/YSZ electrode, wherein the electrode comprises an active layer having a thickness of no more than 20 um, and wherein the active layer comprises 0.5 to 6 metal atom% Mn.

12. (New) The fuel cell of claim 11, wherein the active layer comprises 1 to 4 metal atom % Mn.

13. (New) The fuel cell of claim 11, wherein the active layer comprises 2 to 3 metal atom % Mn.

14. (New) The fuel cell of claim 11 further comprising additional electrode layers overlying the active layer.

15. (New) The fuel cell of claim 14, wherein the additional layers comprise electrode materials having substantially less than 6 metal atom% Mn.